

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): An image signal processing device, which converts input pixel data corresponding to each of the pixels of a display panel into an analog image signal, comprising:
a calculation portion for adding high-order bit pixel data to a value corresponding to the least significant bit digit in said high-order bit pixel data to obtain addition high-order bit pixel data, said high-order bit pixel data being constituted by high-order consecutive bits of said input pixel data;

a selection portion for selecting either said addition high-order bit pixel data or said high-order bit pixel data in accordance with a value of low-order bit pixel data, said low-order bit pixel data being constituted by low-order consecutive bits of said input pixel data; and,

a D/A conversion portion for performing digital-to-analog conversion of the selected pixel data to obtain said analog image signal.

2. (original): An image signal processing device according to Claim 1, wherein said selection portion selects said addition high-order bit pixel data during a time period corresponding to value of said low-order bit pixel data in a prescribed unit period, and selects said high-order bit pixel data during other period in said prescribed unit period.

3. (original): An image signal processing device according to Claim 1, wherein said low-order bit pixel data comprises low-order consecutive M bits (M is a natural number) of said input pixel data, and in image signal processing of each consecutive 2^M frame's worth of said input pixel data, said selection portion selects said addition high-order bit pixel data for frames corresponding in number to a value of said low-order bit pixel data, and selects said high-order bit pixel data for the other frames.

4. (original): An image signal processing device according to Claim 1, wherein said low-order bit pixel data comprises low-order consecutive M bits including the least significant bit of said input pixel data comprising N-bit (N is a natural number, and M is a natural number smaller than N), and said high-order bit pixel data comprises high-order consecutive (N-M) bit including the most significant bit of said input pixel data.

5. (currently amended): An image signal processing device, which converts input pixel data corresponding to each of the pixels of a display panel into an analog image signal, comprising:

a D/A conversion portion for performing digital-to-analog conversion processing of high-order bit pixel data comprising high-order consecutive bits in said input pixel data to obtain an analog signal; and,

a calculation portion for outputting an addition result, as said analog image signal, of said analog signal and a value corresponding to the least significant bit digit in said high-order bit pixel data in accordance with a value of low-order bit pixel data, said low-order bit pixel data

being constituted by low-order consecutive M bits (M is a natural number) of said input pixel data,

wherein upon image signal processing of said input pixel data contained by each consecutive 2^m frames, said calculation portion outputs said addition result as said analog image signal for frames corresponding in number to a value of said low-order bit pixel data, and outputs said analog signal as said analog image signal for the other frames.

6. (canceled).

7. (canceled).

8. (canceled).